

Abstract of the Disclosure

SWITCH DEVICE

5 A switch device for rotating and stopping a DC motor includes a first
switch element having two moving contacts, two normally open NO contacts and two
normally closed NC contacts, a second switch element having one or two normally closed
NC contacts, and an operating element. The operating element serves to connect the two
moving contacts individually to input terminals of the DC motor, the two NO contacts to
10 a voltage source line at a higher voltage, and each of the two NC contacts of the first
switch element to another voltage source line at a lower voltage such as the ground
potential, each through the NC contact, or one of the two NC contacts, of the second
switch element. The NC contact of the second switch element is maintained in an open
condition during a period from when either one of the NO contacts begins to change from
15 a closed condition to an open condition until the corresponding NC contact of the first
switch element finishes changing from an open condition to a closed condition.